

June Members' Meetings

Dates & Times

Matinee, 2:30 p.m., Wednesday, June 13

Evenings, 8:00 p.m., Wednesday and

Thursday, June 13 and 14, 1984

Place

Morrison Auditorium

Speaker

John E. Bryan

Subject

"Flora and Fauna of South Africa"

The flora of southern Africa is one of the richest in the world. In an area the size of Marin, in Cape Province, more species can be found than in the whole of Great Britain. Many familiar garden plants such as the Agapanthus, Strelitzia, and Pelargonium are at home here. The bird and animal life is also extensive in this part of the world, and John Bryan will describe the importance of these natural aspects regarding the plant explorers who introduced so many of these well known plants to our own gardens.

John E. Bryan, former Director of the Strybing Arboretum, and a graduate of the Royal Botanic Garden, Edinburgh, is a knowledgeable and fascinating speaker, so plan now to see his slide/lecture at the June meetings.

As usual, your membership card admits you through the main entrance at Cowell Hall and through the Wattis Hall entrance for the matinee presentation. Please be prepared to show your card once again at the auditorium door for the afternoon meeting.

Sneak Preview: On July 11 and 12 the highly acclaimed film, "First Contact" will be shown for the July Members' Meetings.

Special Exhibits



Insect inclusion in amber

Amber has captured the interest of historians, geologists, mineralogists, botanists and collectors for centuries. Now a major exhibition called **Amber**, on display in Hohfeld Gallery just outside the Morrison Auditorium, explores the beauty, myths, and scientific value of this ancient treasure. Amber is neither gem nor mineral, but fossilized resin from trees that lived millions of years ago.

There is a section of the exhibit on fake amber which describes how you can test grandmother's beads for authenticity. Guest Curator Emma-Maria Kuster and the museum's exhibits department have installed the show to look like a slice of a Polish village near the Baltic Sea, the source of some of the richest deposits of amber in the world.

Andy Warhol: Endangered Species, in Lovell White Hall, has been increased with the addition of three 5-foot square original paintings. The subjects of this colorful exhibit include ten threatened species including our own San Francisco Silverspot Butterfly. Through Labor Day.

Beginning June 4, winners from the **Photography Contest for Young People**, the annual event sponsored by the California Academy of Sciences and KRON-TV will be on display in Cowell Hall. Competition was open to young shutterbugs up to the age of 18.

Mountain Light closes June 17! If you haven't seen these spectacular photographs by Berkeley photographer, Galen Rowell, don't put it off too long. In McBean/Peterson Galleries.

Morrison Planetarium

Sky Shows

The daily sky show in the planetarium is Starlight Odyssey through June 24. In this one-hour program presented in the comfort of the Morrison Planetarium, audiences will learn about the constellations and how the stars have guided travelers across the seas and overland for centuries. Birds, too, use celestial navigation to find their way. See **Starlight Odyssey** each Monday through Friday at 2:00 p.m. and on weekends at 11:00 a.m., 2:00 and 3:30 p.m. Members may use their complimentary planetarium tickets for free admission.

On weekends at 12:30 p.m. see **Exploring the Skies of the Season**, an overview of the current night sky.

Beginning Friday, June 29, is a new sky show called **The Water World** to be shown throughout the summer every day at 11:00 a.m., 2:00 and 3:30 p.m.

Planetarium Concert Series

Monday, June 11 at 8:00 p.m.

Maureen and Ciel will perform traditional Irish, American and Renaissance music on Irish harp and hammered dulcimer. This duo has made appearances all over the state and were featured on "Evening Magazine." Don't miss this one for a summer night of lively entertainment!

Tickets for all planetarium concerts may be ordered by mail from the Morrison Planetarium, California Academy of Sciences, Golden Gate Park, San Francisco, California 94118. Cost to members of the Academy is \$4.00 per ticket; cost to general public is \$5.00. Tickets are also sold at the door one-half hour before showtime. Call 221-5100, Ext. 269 for more information.

Laserium

Two exciting laser light shows are presented in Morrison Planetarium on Thursday through Sunday evenings; one show with the music of Pink Floyd, the other featuring movie hits by John Williams. Call 221-0168 for showtimes and titles. Members are reminded that planetarium passes are not usable for this attraction.

T Traditional Arts

Each Saturday at 1:00 p.m. in the Wattis Hall of Man, audiences can enjoy and often participate in a program of traditional arts presented by members of the diverse ethnic communities of the Bay Area. The programs are different each week and feature music, dance, arts and crafts, even cooking demonstrations! Following is a schedule of upcoming events:

June 2 Learn about Appalachian folk instruments — mouthbow, spoons, bones, musical saw, limberjack puppet and wash board. Jerry Duke will also demonstrate “hollerin’ ” and step dancing.

June 9 A demonstration of sheep shearing with real live sheep! Join David Melcon, a rancher from Petaluma for this special event.

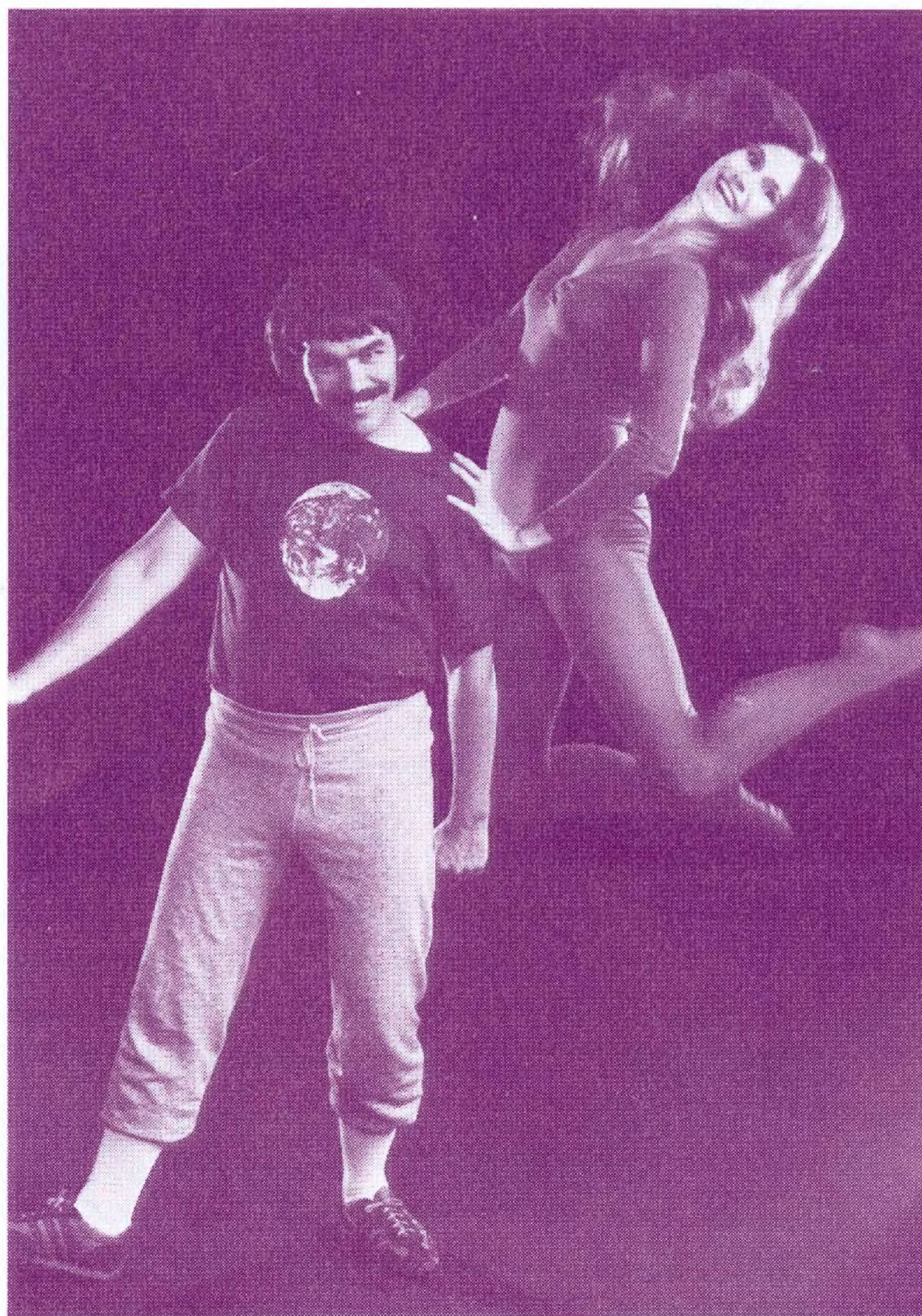


June 16 The Natayana Company will perform Bharata Natyam, a classical South Indian dance and explain the significance of hand gestures and costumes.

June 23 Using native Indonesian wood (albasia), Herman Suwanda will carve and paint West Javanese rod puppets call wayan golek.

June 30 Dr. Ping Yee Wong will unravel the mysteries of acupuncture and the use of herbs in traditional Chinese medicine.

I Inside the Academy



The Stars Anonymous Traveling Musical Museum will make a stop at the California Academy of Sciences' auditorium during the month of June, beginning Saturday, June 2! Each Friday and Saturday night at 8:30 p.m. the cast and crew will take you on a light hearted romp through the solar system and beyond into deep space. If you enjoy music, movement, comedy and drama, or thrill to the spectacular wonders of the universe, this program by Stars Anonymous is a must. Tickets are available at the door of the auditorium and members will be charged a discounted price of \$4.00 per ticket. Call 776-1557 for more information.

S Special Lectures

“La Guajira:” A Film Premiere

Thursday, June 7 at 7:30 p.m.
Morrison Auditorium

The Department of Anthropology presents the award winning San Francisco filmmaker, Calogero Salvo, who will premiere his newest work, “**La Guajira,**” a documentary on the Guajiro Indians of Colombia. Salvo will also show his highly acclaimed first film, “**Juan Felix Sanchez**” which has been described as a “lyrical, sophisticated ethnographic documentary.” Following the films, the audience will have an opportunity to talk to the filmmaker. Cost for both films is \$3.00 for members and \$4.00 for non-members. For tickets send a self-addressed stamped envelope and a check made payable to “California Academy of Sciences” to:

Documentary Films

California Academy of Sciences
Golden Gate Park
San Francisco, California 94118

Sorry, no phone reservations can be accepted. Late orders will be held at the door and tickets may be purchased one-half hour before the program begins.

Symposium: Evolution of Animal Flight

Tuesday, June 12
1:30 to 5 p.m.

The Fellows of the California Academy of Sciences cordially invite members of the Academy to this symposium presented in conjunction with the 65th Annual Meeting of the Pacific Division of the American Association for the Advancement of Sciences, (AAAS) which will be held in San Francisco June 10-15.

Symposium speakers include Jacques Gauthier, Department of Herpetology, California Academy of Sciences on “Origin of Birds: From Crocodiles or Dinosaurs?”; John Ostrom, Peabody Museum, Yale University on “Cursorial Theory of the Origin of Flight”; Walter Bock, Department of Biological Sciences, Columbia University on “Arboreal Theory of the Origin of Flight”; and Colin Pennycuik, Department of Biology, University of Miami on “Energetics of Avian Flight.”

Members are welcome to attend this special symposium free of charge, although there is a fee involved to register for other AAAS programs. For more information call 752-1554.

Symposium: Jacob Bronowski: A Retrospective

Friday, June 15

9 a.m. to 5 p.m.

San Francisco State University

NEXA: The Science-Humanities Convergence Program at San Francisco State University is sponsoring this symposium in conjunction with the AAAS meetings in San Francisco to commemorate the 10th anniversary of Jacob Bronowski's death by focusing on those issues that can be identified as his main intellectual interests. These issues will include: Science and Human Values; Human Specificity; Stratified Stability; Origins of Language; The Brain; and Science-Humanities Convergence.

If you are interested in attending this meeting you must register. Call 752-1554 for information.

Adult Education And Travel

There is room in the following adult education classes. Call 221-5100, Ext. 215 for registration information.

SHARK!!!

July 3 - 24 (4 Tuesdays)

7-9 p.m.

Instructors: Dr. John McCosker, Director, Steinhart Aquarium, Dr. Leighton Taylor, Director, Waikiki Aquarium

Cost: \$20 members, \$25 non-members

Shark! The word never fails to strike some primordial terror in man. In this series of four slide/lectures, two leading shark biologists will separate the myths from the fascinating facts surrounding these awesome creatures. From the ancient Megalodon to Megamouth, the newest family of sharks described by Dr. Taylor only last year, you will learn about their anatomy, what they eat, who eats them, and about their current relationship with a recent ocean going intruder . . . man. Students 14 years and over will be accepted into this adult education course.

Aquatic Insects for Anglers

June 6 - 27 (4 Wednesdays)

7-9:30 p.m.

Instructor: Steven Balling, Aquatic Entomologist

Cost: \$25 members, \$35 non-members

This course will give participants an understanding of the fundamentals of aquatic insect biology and the confidence necessary to identify specimens they collect. We will examine the natural history of mayflies, stoneflies, caddisflies, and other insects found in western lakes and streams.

Plants of the Mendocino Coast

Thursday, June 14 - Monday, June 18

Pre-trip meeting: June 5, 7-9 p.m.

Leader: Dr. Glenn Keator, Strybing Arboretum

Cost: \$60 includes instruction (does not include transportation, lodging or meals)

Limited to 10 Academy members and 10 Strybing members

This study tour to the Mendocino coast offers brightly colored wildflowers, rolling sand dunes, fascinating sphagnum bogs with insect-catching sundews, cool redwood forests, unusual pygmy forests and more. A list of nearby motels and campgrounds will be furnished to registrants.

Sierra Weekend

July 13 - 15

Instructors: Mona Bourell, Botanist, Jens Vindum, Zoologist

Cost: \$65 members, \$75 non-members, includes accommodations, instruction and meals from Saturday breakfast through Sunday lunch.

On this study tour to San Francisco State's field campus in Tahoe National Forest, participants will enjoy the beauty of the red fir forest while becoming acquainted with the plants, birds and reptiles of the area with two very popular Academy staff members. On moderately easy hikes you will see hairy woodpeckers, Virginia rails, dippers and yellow-headed blackbirds. Accommodations are tents, and meals will be served in the dining hall. The group will assemble at 6 p.m. on July 13 in Truckee and caravan over Yuba Pass to Camp Leonard.

Academy Expeditions, 1984

Grand Ronde River Trip

June 19-24

The Grand Ronde River in northeastern Oregon flows fast and clear through thickly wooded forests. In June one can enjoy the freshness of spring as yellow snow lilies, wild roses and other flowers dot the hillsides. Once the home of Chief Joseph and the Nez Perce, the Grand Ronde Canyon is now inhabited by deer, bear, mink and roaming elk herds. This four-day float trip is perfect for first-time river runners. Tour led by Dr. Jack Arnold. Cost is \$395 for river trip; \$281 round-trip air. For information call the Academy Travel Office at (415) 221-5100.

Galapagos Islands

July 26 - August 11

Peru - An Optional Extension

August 11 - 19

Ecuador, a cruise through the Galapagos Islands aboard the *M. V. Buccaneer* and an optional tour to Peru and to Machu Picchu are the exotic destinations of this trip led by Dr. Frank Almeda. Cost for Galapagos is \$1987 for land/cruise and \$806 for air. Cost for extension is \$892 for land and \$238 for air. For information, call Siemer & Hand Travel at (415) 788-7186.

Killer Whales and Totem Poles

August 6 - 17

Fly to Vancouver B.C. and then to Vancouver Island to board a luxurious new 68-foot sailboat and begin your explorations of the great Northwest. Members will cruise through the narrow ocean channels from Johnstone Strait to Robson Bight. During the month of August there should be killer whales, Dall porpoises, and Minke whales. There will be time to explore abandoned Indian villages along the shoreline. Trip ends with a night in Victoria at the famed Empress Hotel. Tour to be led by Jacqueline Schonewald of the Department of Birds and Mammals. Cost is \$1635 for the boat trip and \$198 round-trip air. For information call the Academy Travel Office at (415) 221-5100.

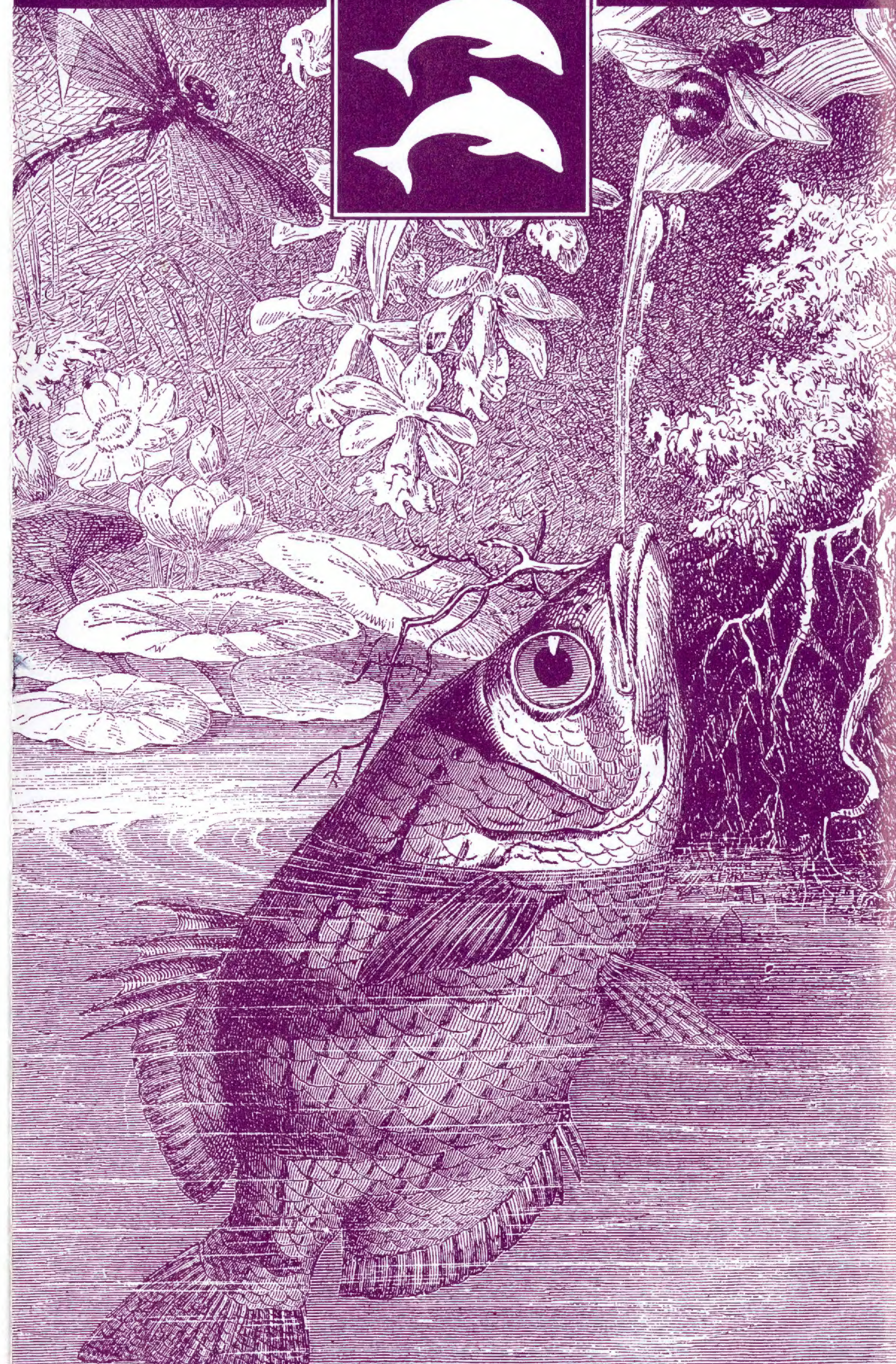
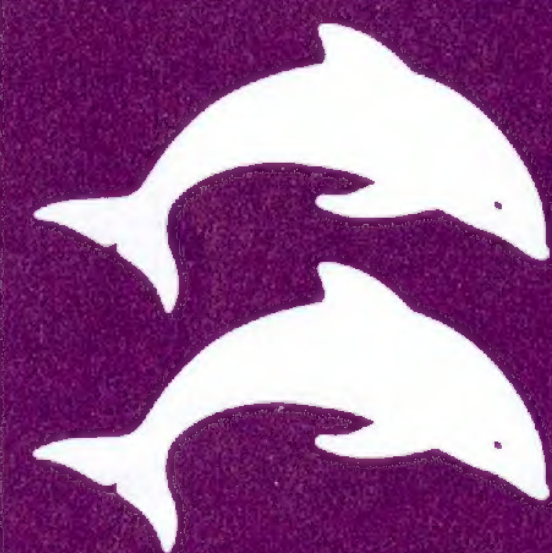
A SPECIAL TRAVEL OPPORTUNITY!

China: 7,000 Years of Discovery

August 17 - 19

China is now in Seattle! Academy members are invited to travel to visit the exciting exhibition,

Natural History
Museum
& Aquarium



NEWSLETTER

June 1984

California Academy of Sciences



Open every day of the year
from 10 until 5

Golden Gate Park
San Francisco, California 94118-9961
(415) 221-5100

China: 7,000 Years of Discovery at the Pacific Science Center in Seattle.

The Chinese invented the world's first navigational compass, the first movable type, the first seismograph and the first paper . . . including paper money. Prepare to explore the surprising world of ancient China and see demonstrations by artisans from the People's Republic. Other highlights will be a cruise to Victoria aboard the *Princess Marguerite* and visits to the Seattle Art Museum and the Boeing Plant.

Costs for land and cruise are \$360. Round trip air fare is \$264. For information call Bryan International Travel at (415) 986-0967.

Alaska

September 11 - 22
(Note date change)

Discover the wealth of wildlife and scenery with this cruise aboard the *M.V. Majestic Alaska Explorer*. Costs range from \$2550 to \$3750 plus air fare. For information, call the Academy Travel Office at (415) 221-5100.

Papua New Guinea and the Islands of the Solomon Seas

September 19 - October 10

Join Academy members on an expedition to one of the world's most remote and exotic destinations. This tour features the Trobriand Islands, Sepik River and Highlands. For information, please call the Academy Travel Office at (415) 221-5100.

Flight Through Fantasia

October 7 - 19

Explore the sights of America's southwest. For information, call the Academy Travel Office at (415) 221-5100.

Japan: Old and New

October 7 - 28

The speed with which the technological changes have taken place in Japan is remarkable when one considers the fact that the Japanese cherish the old to such a high degree. Emphasis on this special tour will be on both the old and the new: from temples, shrines and museums to some of Japan's booming industries. Tour will be led by Mr. John Inamoto, retired Chairman, Asian Art Museum. Cost is \$2750 for land plus air fare. For information call Bryan International Travel at (415) 986-0967.

Time Dated Material

No. 534

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